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July 1, 2005

Ms. Joan Fleck
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Subject: **Second Quarter 2005 Groundwater Monitoring Report**
Rotten Robbie Service Station No. 40
2515 Guerneville Road, Santa Rosa, Sonoma County, California
Apex Project # ROB01.001

Dear Ms. Fleck:

Apex Envirotech, Inc. (Apex), has been authorized by Robinson Oil Corporation (Robinson Oil) to provide this report documenting the results of groundwater monitoring. This report covers site activities for the second quarter groundwater monitoring event performed on May 13, 2005. Groundwater monitoring results are provided in the attached figures and tables. Apex standard operating procedures, field data, and analytical results are provided as attachments.

This report is based in part on information obtained from Robinson Oil and is subject to modification as newly acquired information warrants.

BACKGROUND

November 1991 - On-Site Technologies, Inc. (OST) prepared a Remedial Investigation/Feasibility Study report recommending soil and groundwater remediation through groundwater extraction treatment.

December 15, 1995 - OST recommended a soil vapor extraction (SVE) and air sparge (AS) system be coupled with the groundwater extraction treatment as a more beneficial and cost effective remedial technology.

June 26, 1996 - OSI proposed annual groundwater monitoring be conducted at the subject site, and groundwater extraction and treatment be supplemented with SVE/AS.

January 29, 1998 - The North Coast Regional Water Quality Control Board (NCRWQCB) issued a letter, requesting a feasibility study be prepared proposing alternative remediation technologies.

April 20, 1999 - ATC Associates, Inc. submitted a Remedial Action/Feasibility Study and Corrective Action Plan, proposing active dual phase extraction.

April 20, 2003 - Based on groundwater contamination at the subject site, the NCRWQCB proposed deferring implementation of a remediation system and continue groundwater monitoring activities.

July 24, 2004 - Apex submitted a workplan entitled, *Workplan for Installation of Ozone Sparging Remediation System*, proposing the installation of an ozone sparge system at the subject site, and other remedial alternatives.

December 3, 2004 - The NCRWQCB issued a letter (Appendix D) recommending that the ozone sparge remediation system be permitted through the Santa Rosa Fire and Community Development Department. In addition, the NCRWQCB requested that well MW-11 from the Former Crossroads Beacon site be included in Apex's currently quarterly sampling schedule. The approved remediation system at the site will be installed concurrently with site improvements.

GENERAL SITE INFORMATION

| | |
|----------------------------------|--|
| Site name: | Rotten Robbie Service Station #40 |
| Site address: | 2515 Guerneville Road, Santa Rosa |
| Responsible party: | Robinson Oil Corporation |
| Current site use: | Fuel station |
| Current phase of project: | Groundwater monitoring |
| Tanks at site: | 4 USTs |
| Number of wells: | 8 Monitoring wells (4 onsite, 4 offsite), 2 vapor extraction Wells |

GROUNDWATER MONITORING SUMMARY

| | |
|-------------------------------------|------------------------------------|
| Gauging and sampling date: | May 13, 2005 |
| Wells gauged and sampled: | MW-1 through MW-6 and MW-8 |
| Wells gauged only: | None |
| Wells sampled only: | None |
| Groundwater flow direction: | South |
| Groundwater gradient: | 0.025 ft/ft |
| Floating liquid hydrocarbon: | None |
| Laboratory: | Kiff Analytical, Davis, California |

Analysis:

| Analysis | Abbreviation | Designation | USEPA Method No. | |
|--|--------------|----------------------------|------------------|--|
| Total Petroleum Hydrocarbons as Gasoline | TPHg | Gas-Range Hydrocarbon | 8260B | |
| Benzene | BTEX | Aromatic Volatile Organics | | |
| Toluene | | | | |
| Ethylbenzene | | | | |
| Xylenes (Total) | | | | |
| Methyl Butyl Alcohol | MTBE | Five Fuel Oxygenates | | |
| Di-Isopropyl Ether | DIPE | | | |
| Ethyl Tertiary Butyl Ether | ETBE | | | |
| Tertiary Amyl Methyl Ether | TAME | | | |
| Tertiary Butal Alcohol | TBA | Lead Scavengers | | |
| 1,2-Dichloroethane | 1,2-DCA | | | |
| Ethylene dibromide | EDB | | | |

Modifications from Standard Monitoring Program:

Well MW-11, which is part of the Former Crossroads Beacon well network was sampled and a water level was collected.

CONCLUSIONS

Based on laboratory analytical results the site has been impacted by hydrocarbon and oxygenate constituents.

Groundwater elevation decreased an average of 0.35 feet compared with last quarter.

The hydrocarbon plume onsite is defined.

RECOMMENDATIONS

Apex recommends continued quarterly groundwater monitoring to confirm analytical results and to establish a concentration trend. The next sampling event is scheduled for September 2005.

Installation of the approved ozone sparge system is currently pending the demolition and reconstruction of the site. Apex will conduct a limited subsurface investigation beneath the existing dispenser area during demolition activities.

ADDITIONAL ACTIVITIES PERFORMED AT SITE

None

ATTACHMENTS:

Figure 1: Site Vicinity Map

Figure 2: Site Plan Map

Figure 3: TPHg in Groundwater Isoconcentration Map: May 13, 2005

Figure 4: Benzene in Groundwater Isoconcentration Map: May 13, 2005

Figure 5: MTBE in Groundwater Isoconcentration Map: May 13, 2005

Table 1: Well Construction Details

Table 2: Groundwater Elevation Data

Table 3: Groundwater Analytical Data

Appendix A: Apex Standard Operating Procedures

Appendix B: Field Data Sheet

Appendix C: Laboratory Analytical Report and Chain of Custody Form

Appendix D: NCRWQCB letter dated December 3, 2004

REPORT DISTRIBUTION

A copy of this report was submitted to:

Regulatory Oversight: Mr. Jeff Tarter
 City of Santa Rosa Fire Department
 955 Sonoma Avenue
 Santa Rosa, California 95404
 (707) 543-3500

Ms. Joan Fleck
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403
(707) 576-2220

Responsible Party: Mr. Thomas L. Robinson
 Robinson Oil Corporation
 4250 Williams Road
 San Jose, California 95129
 (408) 869-2969

cc: Mr. Brian Wingard
 Winzler & Kelley
 495 Tesconi Circle
 Santa Rosa, California 95401
 (707) 523-1010

Mr. Ron Nicholson
RM Associates
16401 Meadow Vista Drive, Suite 102
Pioneer, California 95666

REMARKS/SIGNATURES

The information contained within this report reflects our professional opinions and was developed in accordance with currently available information, and accepted hydrogeologic and engineering practices.

The work described above was performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

We appreciate the opportunity to provide Robinson Oil geologic, engineering and environmental consulting services, and trust this report meets your needs. If you have any questions or comments, please call us at (916) 851-0174.

Sincerely,

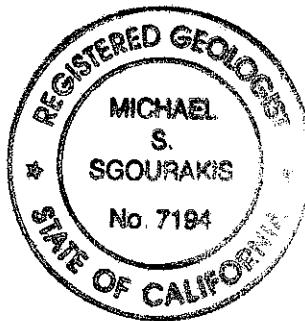
APEX ENVIROTECH, INC.

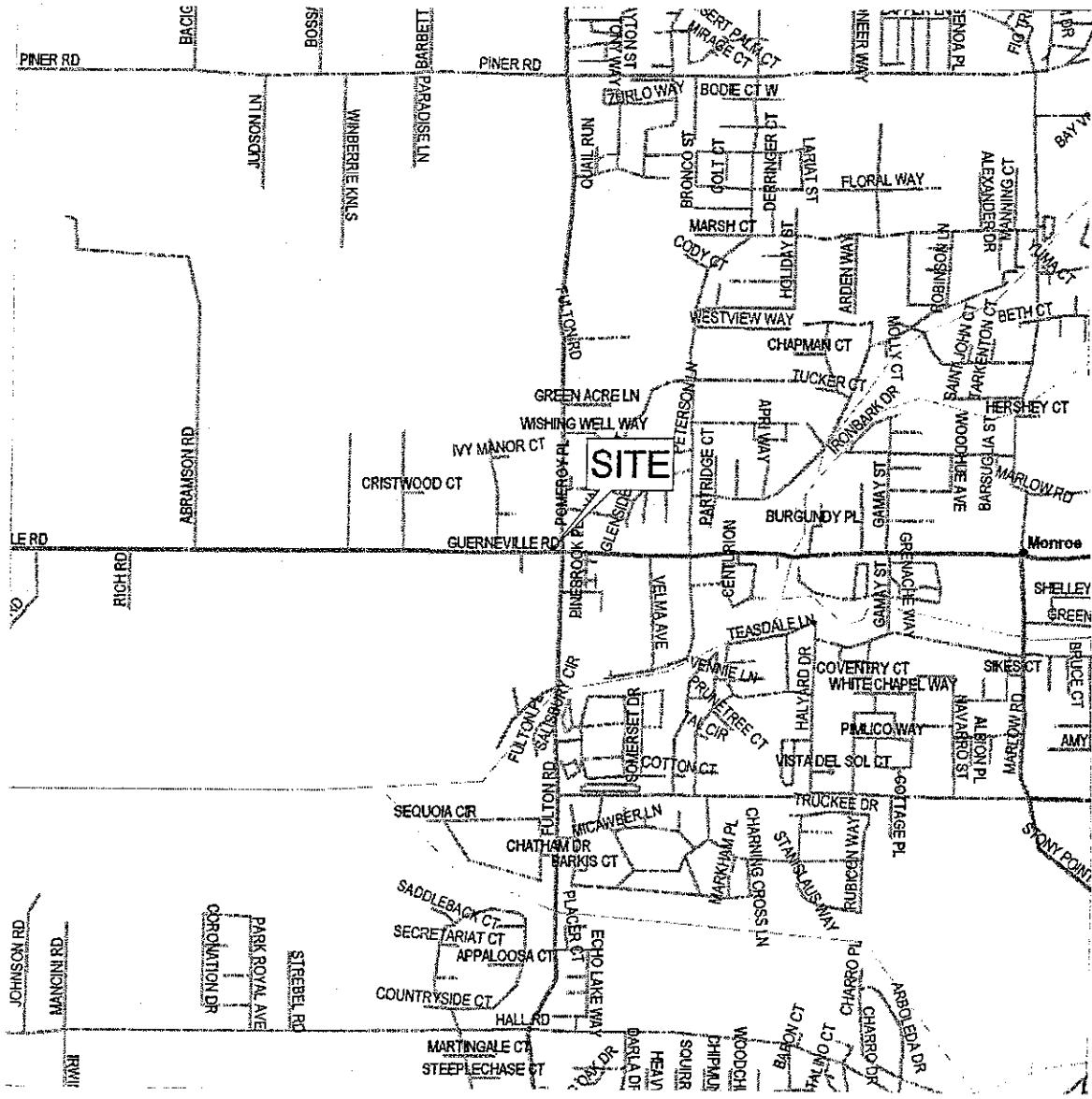


Kelli Felker
Staff Environmental Scientist



Michael S. Sgourakis R.G.
Senior Project Manager
CRG # 7194





0 2,000 4,000

Approximate Scale
1 inch = 2,000 feet

N

DRAWN BY: J. Curry
DATE: 05/11/05

REVISIONS

SITE VICINITY MAP

Rotten Robbies
2515 Guerneville Road
Santa Rosa, California

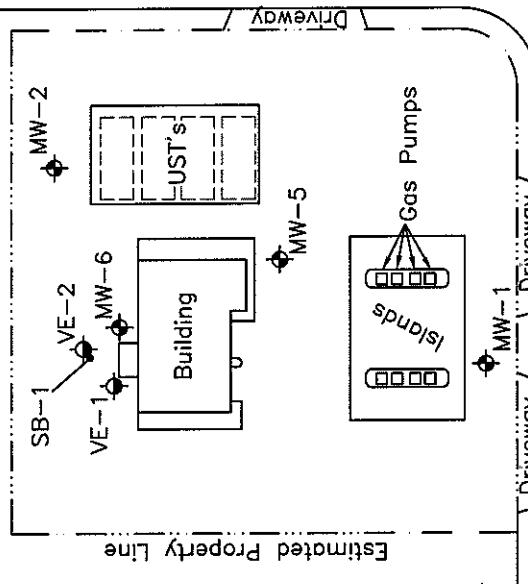
FIGURE

1

PROJECT NUMBER:
ROB01.001



MW-3

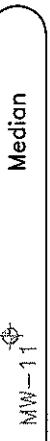


FULTON ROAD

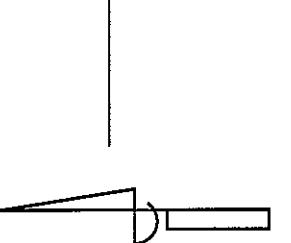
LEGEND

- Soil Boring Location
- ✖ Destroyed Monitoring Well
- ◆ Groundwater Monitoring Well
- Vapor Extraction Well

GUERNEVILLE ROAD



N



0 20 40
Approximate Scale
1 inch = 20 feet

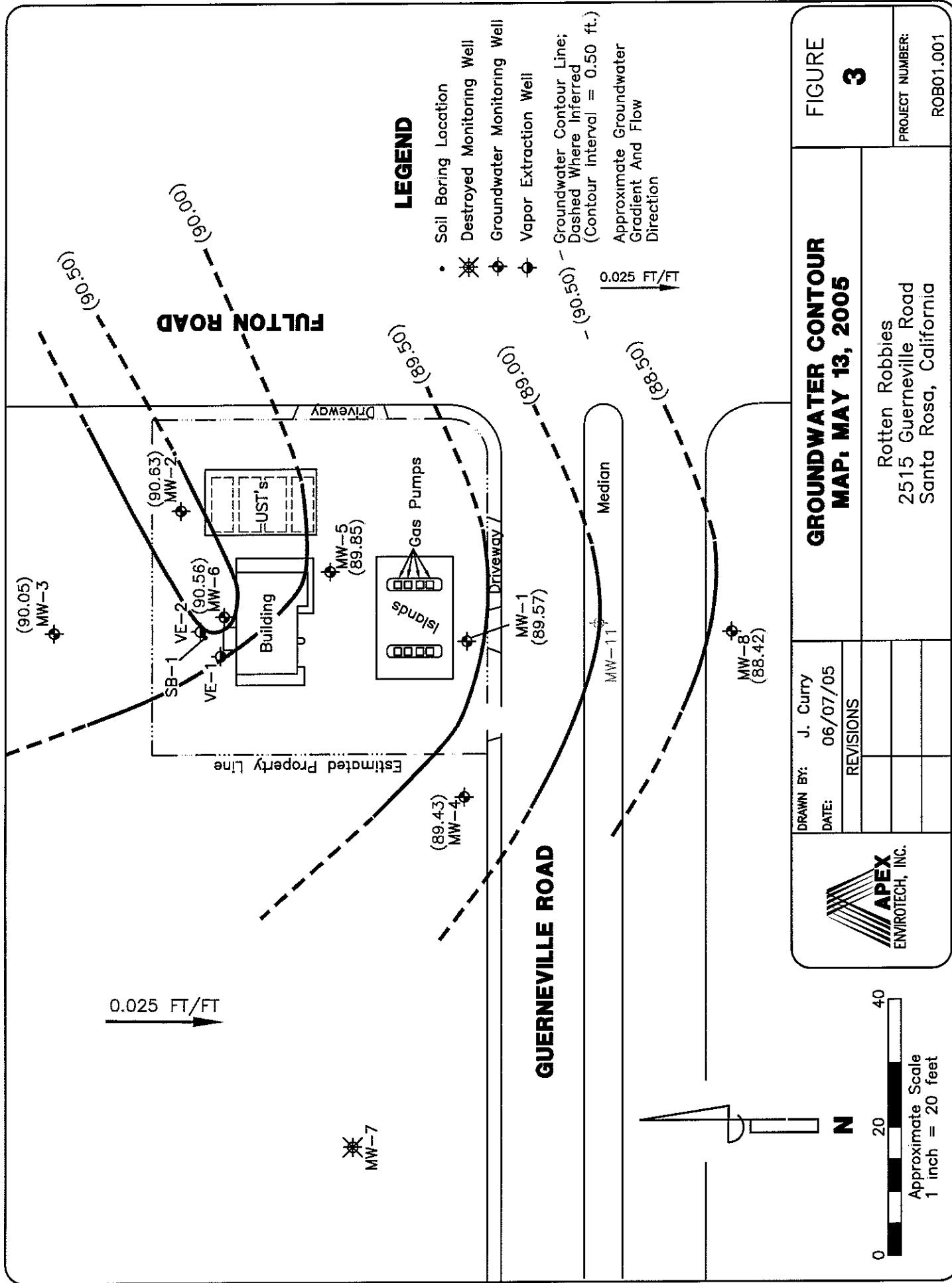
SITE PLAN MAP

FIGURE
2

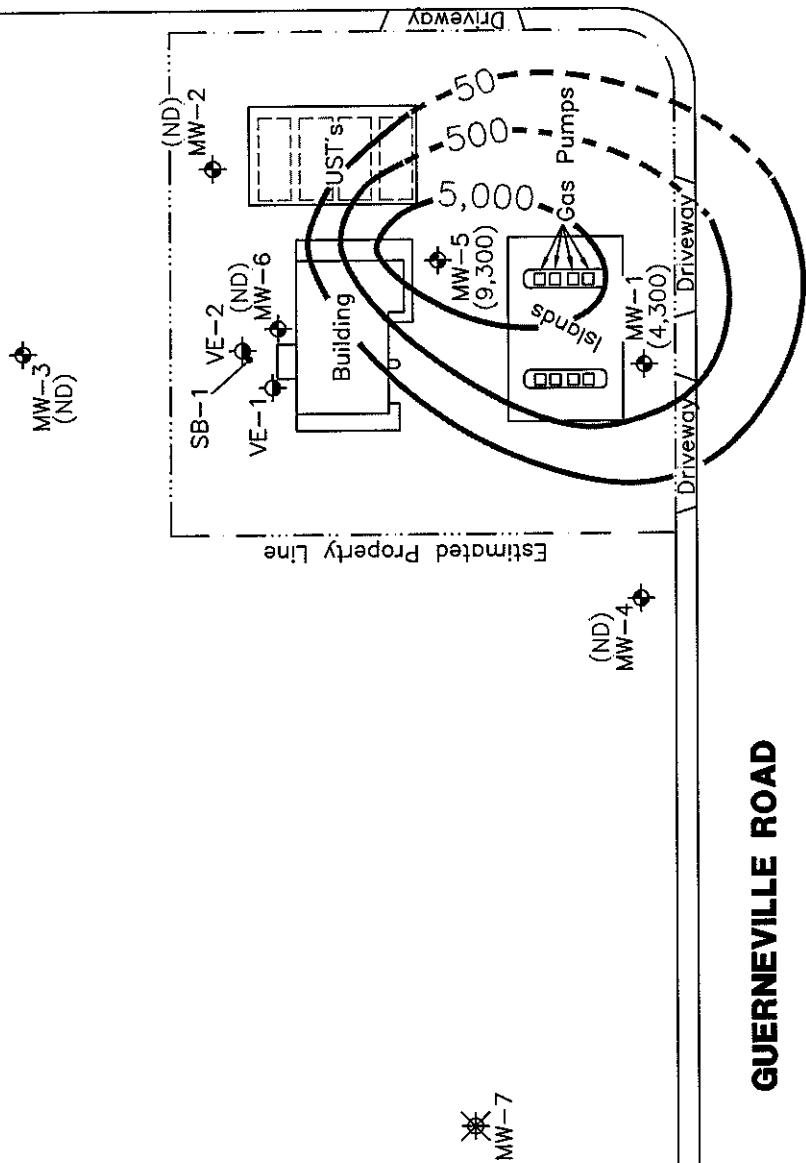
PROJECT NUMBER:
ROB01.001

| | |
|-----------|----------|
| DRAWN BY: | J. Curry |
| DATE: | 06/07/05 |
| REVISIONS | |
| | |
| | |

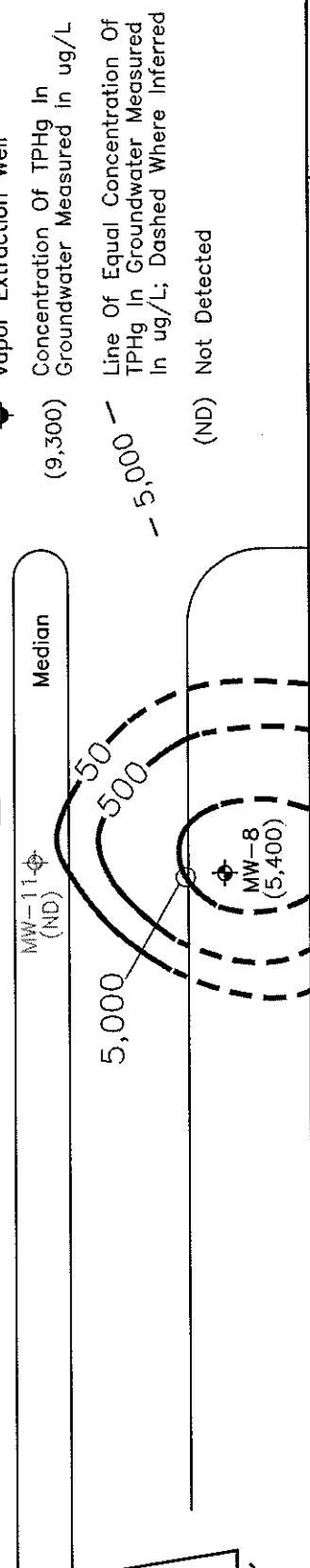




FULTON ROAD



GUERNEVILLE ROAD



TPHg IN GROUNDWATER ISOCONCENTRATION MAP, MAY 13, 2005

| | |
|-----------|----------|
| DRAWN BY: | J. Curry |
| DATE: | 06/07/05 |
| REVISIONS | |



Rotten Robbies
2515 Guerneville Road
Santa Rosa, California

PROJECT NUMBER:
ROB01.001

FIGURE 4

40
20
0
Approximate Scale
1 inch = 20 feet

TABLES

TABLE 1
WELL CONSTRUCTION DETAILS
Rotten Robbie Service Station No 40
2515 Guerneville Road, Santa Rosa, California

| Well Number | Well Installation Date | Elevation TOC (feet) | Casing Material | Total Depth (feet) | Well Depth (feet) | Casing Diameter (inches) | Screened Interval (feet) | Filter Pack Interval (feet) |
|-------------|------------------------|----------------------|-----------------|--------------------|-------------------|--------------------------|--------------------------|-----------------------------|
| MW-1 | 10/25/89 | 95.37 | --- | 30 | 30 | 4 | 8 - 30 | 6 - 30 |
| MW-2 | 10/25/89 | 95.81 | --- | 20 | 20 | 4 | 7 - 20 | 5 - 20 |
| MW-3 | 10/26/89 | 94.50 | --- | 20 | 20 | 4 | 7 - 20 | 5 - 20 |
| MW-4 | 6/12/90 | 94.50 | --- | 18.3 | 18.3 | 4 | 6 - 18.2 | 5 - 18.2 |
| MW-5 | 6/12/90 | 96.44 | --- | 18.3 | 18.3 | 4 | 6 - 18.2 | 5 - 18.2 |
| MW-6 | 6/12/90 | 96.69 | --- | 18.3 | 18.3 | 4 | 6 - 18.2 | 5 - 18.2 |
| MW-8 | 5/24/91 | 95.53 | --- | 19 | 19 | 4 | 7 - 19 | 5 - 19 |
| MW-11 | | 96.28 | --- | — | — | — | — | — |

Notes:

--- = Information not available

TOC = Top of Casing

MW-11 is the responsibility of a separate consultant

TABLE 2
GROUNDWATER ELEVATION DATA
 Rotten Robbie Service Station #40
 2515 Guerneville Road, Santa Rosa, California
 (All measurements are in feet)

| Monitoring Well | Date | Reference Elevation* (MSL) | Depth to Groundwater (Feet) | Groundwater Elevation Feet) | Groundwater Flow Direction |
|-----------------|----------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| MW-1 | 9/16/93 | 95.36 | 8.36 | 87.00 | |
| | 12/9/93 | | 8.66 | 86.70 | |
| | 4/4/94 | | 7.83 | 87.53 | |
| | 7/29/94 | | 9.80 | 85.56 | |
| | 9/22/94 | | 10.38 | 84.98 | |
| | 10/13/94 | | 10.03 | 85.33 | |
| | 4/18/95 | | 6.15 | 89.21 | |
| | 10/6/95 | | 10.26 | 85.10 | |
| | 2/7/96 | | 4.77 | 90.59 | |
| | 5/1/97 | | 8.22 | 87.14 | |
| | 12/3/97 | | 7.21 | 88.15 | |
| | 3/17/98 | | 6.04 | 89.32 | |
| | 6/10/98 | | 7.68 | 87.68 | |
| | 9/30/98 | | 9.64 | 85.72 | |
| | 3/16/99 | | 5.71 | 89.65 | |
| | 11/2/99 | | 9.40 | 85.97 | |
| | 9/16/00 | 95.37 | 7.96 | 87.41 | |
| | 10/3/00 | | 9.50 | 85.87 | |
| | 1/9/01 | | 8.85 | 86.52 | |
| | 7/12/01 | | 8.78 | 86.59 | |
| | 1/4/02 | | 4.92 | 90.45 | |
| | 6/11/02 | | 8.15 | 87.22 | |
| | 12/18/02 | | 5.38 | 89.99 | |
| | 3/27/03 | | 6.43 | 88.94 | |
| | 9/25/03 | | 9.34 | 86.03 | |
| | 3/24/05 | | 5.02 | 90.35 | |
| | 5/13/05 | | 5.80 | 89.57 | SW S |
| MW-2 | 9/16/93 | 95.84 | 8.81 | 87.03 | |
| | 12/9/93 | | 7.89 | 87.95 | |
| | 4/4/94 | | 6.69 | 89.15 | |
| | 7/29/94 | | 8.10 | 87.74 | |
| | 9/22/94 | | 8.51 | 87.33 | |
| | 10/13/94 | | 8.14 | 87.70 | |
| | 4/18/95 | | 5.11 | 90.73 | |
| | 10/6/95 | | 8.75 | 87.09 | |
| | 2/7/96 | | 4.87 | 90.97 | |
| | 5/1/97 | | 6.73 | 89.11 | |
| | 12/3/97 | | 6.90 | 88.94 | |
| | 3/17/98 | | 4.98 | 90.86 | |
| | 6/10/98 | | 6.16 | 89.68 | |
| | 9/30/98 | | 8.30 | 87.54 | |
| | 3/16/99 | | 5.02 | 90.82 | |
| | 11/2/99 | 95.81 | 8.47 | 87.34 | |
| | 6/16/00 | | 6.96 | 88.85 | |
| | 10/3/00 | | 8.36 | 87.45 | |
| | 1/9/01 | | 8.12 | 87.69 | |
| | 1/4/02 | | 4.73 | 91.08 | |
| | 6/11/02 | | 7.15 | 88.66 | |
| | 12/18/02 | | 6.77 | 89.04 | |
| | 3/27/03 | | 6.28 | 89.53 | |
| | 9/25/03 | | 8.14 | 87.67 | |
| | 3/24/05 | | 5.16 | 90.65 | |
| | 5/13/05 | | 5.18 | 90.63 | SW S |

TABLE 2
GROUNDWATER ELEVATION DATA
Rotten Robbie Service Station #40
2515 Guerneville Road, Santa Rosa, California
(All measurements are in feet)

| Monitoring Well | Date | Reference Elevation* (MSL) | Depth to Groundwater (Feet) | Groundwater Elevation Feet) | Groundwater Flow Direction |
|-----------------|----------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| MW-3 | 9/16/93 | 95.80 | 8.06 | 87.74 | |
| | 12/9/93 | | 6.48 | 89.32 | |
| | 4/4/94 | | 6.23 | 89.57 | |
| | 7/29/94 | | 6.54 | 89.26 | |
| | 9/22/94 | | 7.01 | 88.79 | |
| | 10/13/94 | | 6.57 | 89.23 | |
| | 4/18/95 | | 3.81 | 91.99 | |
| | 10/6/95 | | 7.70 | 88.10 | |
| | 2/7/96 | | 3.77 | 92.03 | |
| | 5/1/97 | | 5.49 | 90.31 | |
| | 12/3/97 | | 5.37 | 90.43 | |
| | 3/17/98 | | 4.40 | 91.40 | |
| | 6/10/98 | | 4.98 | 90.82 | |
| | 9/30/98 | | 7.11 | 88.69 | |
| | 3/16/99 | | 4.57 | 91.23 | |
| | 11/2/99 | 95.79 | 7.56 | 88.23 | |
| | 6/16/00 | | 6.73 | 89.06 | |
| | 10/3/00 | | 7.06 | 88.73 | |
| | 1/9/01 | | 7.74 | 88.05 | |
| | 1/4/02 | | 4.31 | 91.48 | |
| | 6/11/02 | 94.50 | 7.22 | 87.28 | |
| | 12/18/02 | | 5.62 | 88.88 | |
| | 3/27/03 | | 8.16 | 86.34 | |
| | 9/25/03 | | 5.93 | 88.57 | |
| | 3/24/05 | | 4.12 | 90.38 | SW |
| | 5/13/05 | | 4.45 | 90.05 | S |
| MW-4 | 9/16/93 | 94.02 | 9.30 | 84.72 | |
| | 12/9/93 | | 7.39 | 86.63 | |
| | 4/4/94 | | 6.81 | 87.21 | |
| | 7/29/94 | | 8.59 | 85.43 | |
| | 9/22/94 | | 9.27 | 84.75 | |
| | 10/13/94 | | --- | --- | |
| | 4/18/95 | | 5.32 | 88.70 | |
| | 10/6/95 | | --- | --- | |
| | 2/7/96 | | 3.99 | 90.03 | |
| | 5/1/97 | | 7.14 | 86.88 | |
| | 12/3/97 | | 6.19 | 87.83 | |
| | 3/17/98 | | 5.27 | 88.75 | |
| | 6/10/98 | | 6.81 | 87.21 | |
| | 9/30/98 | | 8.61 | 85.41 | |
| | 3/16/99 | | 5.06 | 88.96 | |
| | 11/2/99 | 94.50 | 8.19 | 86.31 | |
| | 6/16/00 | | 7.05 | 87.45 | |
| | 10/3/00 | | 8.41 | 86.09 | |
| | 1/9/01 | | 7.92 | 86.58 | |
| | 1/4/02 | | 4.05 | 90.45 | |
| | 6/11/02 | | 7.22 | 87.28 | |
| | 12/18/02 | | 4.38 | 90.12 | |
| | 3/27/03 | | 5.57 | 88.93 | |
| | 9/25/03 | | 8.48 | 86.02 | |
| | 3/24/05 | | --- | --- | SW |
| | 5/13/05 | | 5.07 | 89.43 | S |

TABLE 2
GROUNDWATER ELEVATION DATA
 Rotten Robbie Service Station #40
 2515 Guerneville Road, Santa Rosa, California
 (All measurements are in feet)

| Monitoring Well | Date | Reference Elevation* (MSL) | Depth to Groundwater (Feet) | Groundwater Elevation Feet) | Groundwater Flow Direction |
|-----------------|----------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| MW-5 | 9/16/93 | 96.01 | 10.61 | 85.40 | |
| | 12/9/93 | | 9.22 | 86.79 | |
| | 4/4/94 | | 7.99 | 88.02 | |
| | 7/29/94 | | 9.87 | 86.14 | |
| | 9/22/94 | | 10.43 | 85.58 | |
| | 10/13/94 | | 8.20 | 87.81 | |
| | 4/18/95 | | 6.75 | 89.26 | |
| | 10/6/95 | | 10.42 | 85.59 | |
| | 2/7/96 | | 6.51 | 89.50 | |
| | 5/1/97 | | 8.41 | 87.60 | |
| | 12/3/97 | | 7.89 | 88.12 | |
| | 3/17/98 | | 5.89 | 90.12 | |
| | 6/10/98 | | 7.30 | 88.71 | |
| | 9/30/98 | | 9.77 | 86.24 | |
| | 3/16/99 | | 6.03 | 89.98 | |
| | 11/2/99 | 96.44 | 9.84 | 86.60 | |
| | 6/16/00 | | 8.27 | 88.17 | |
| | 10/3/00 | | 9.81 | 86.63 | |
| | 1/9/01 | | 9.31 | 87.13 | |
| | 7/12/01 | | 9.17 | 87.27 | |
| | 1/4/02 | | 6.02 | 90.42 | |
| | 6/11/02 | | 8.22 | 88.22 | |
| | 12/18/02 | | 8.30 | 88.14 | |
| | 3/27/03 | | 6.76 | 89.68 | |
| | 9/25/03 | | 9.24 | 87.20 | |
| | 3/24/05 | | 7.31 | 89.13 | SW |
| | 5/13/05 | | 6.59 | 89.85 | S |
| MW-6 | 9/16/93 | 96.22 | 10.33 | 85.89 | |
| | 12/9/93 | | 9.21 | 87.01 | |
| | 4/4/94 | | 7.69 | 88.53 | |
| | 7/29/94 | | 9.38 | 86.84 | |
| | 9/22/94 | | 9.92 | 86.30 | |
| | 10/13/94 | | 8.68 | 87.54 | |
| | 4/18/95 | | 6.12 | 90.10 | |
| | 10/6/95 | | 10.10 | 86.12 | |
| | 2/7/96 | | 5.76 | 90.46 | |
| | 5/1/97 | | 8.08 | 88.14 | |
| | 12/3/97 | | 7.96 | 88.26 | |
| | 3/17/98 | | 5.93 | 90.29 | |
| | 6/10/98 | | 7.78 | 88.44 | |
| | 9/30/98 | | 9.45 | 86.77 | |
| | 3/16/99 | | 5.98 | 90.24 | |
| | 11/2/99 | 96.69 | 9.68 | 87.01 | |
| | 6/16/00 | | 8.06 | 88.63 | |
| | 10/3/00 | | 9.47 | 87.22 | |
| | 1/9/01 | | 9.29 | 87.40 | |
| | 7/12/01 | | 8.91 | 87.78 | |
| | 1/4/02 | | 5.40 | 91.29 | |
| | 6/11/02 | | 8.11 | 88.58 | |
| | 12/18/02 | | 7.82 | 88.87 | |
| | 3/27/03 | | 6.76 | 89.93 | |
| | 9/25/03 | | 9.15 | 87.54 | |
| | 3/24/05 | | 5.68 | 91.01 | SW |
| | 5/13/05 | | 6.13 | 90.56 | S |

TABLE 2
GROUNDWATER ELEVATION DATA
Rotten Robbie Service Station #40
2515 Guerneville Road, Santa Rosa, California
(All measurements are in feet)

| Monitoring Well | Date | Reference Elevation* (MSL) | Depth to Groundwater (Feet) | Groundwater Elevation Feet) | Groundwater Flow Direction |
|-----------------|----------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| MW-7 | 9/16/93 | 93.44 | 8.59 | 84.85 | |
| | 12/9/93 | | 6.79 | 86.65 | |
| | 4/4/94 | | 6.07 | 87.37 | |
| | 7/29/94 | | 8.33 | 85.11 | |
| | 9/22/94 | | 8.69 | 84.75 | |
| | 10/13/94 | | --- | --- | |
| | 4/19/95 | | 4.71 | 88.73 | |
| | 10/6/95 | | Destroyed | | |
| MW-8 | 9/16/93 | 93.07 | 8.83 | 84.24 | |
| | 12/9/93 | | 7.27 | 85.80 | |
| | 4/4/94 | | 5.94 | 87.13 | |
| | 7/29/94 | | 8.30 | 84.77 | |
| | 9/22/94 | | 8.93 | 84.14 | |
| | 10/13/94 | | --- | --- | |
| | 4/18/95 | | --- | --- | |
| | 10/6/95 | | --- | --- | |
| | 2/7/96 | | --- | --- | |
| | 3/17/98 | | 4.24 | 88.83 | |
| | 6/10/98 | | 7.88 | 85.19 | |
| | 9/30/98 | | 8.25 | 84.82 | |
| | 3/16/99 | | 4.26 | 88.81 | |
| | 11/2/99 | 93.53 | 7.67 | 85.86 | |
| | 6/16/00 | | 6.49 | 87.04 | |
| | 10/3/00 | | 7.88 | 85.65 | |
| | 1/9/01 | | 6.90 | 86.63 | |
| | 1/4/02 | | 3.07 | 90.46 | |
| | 6/11/02 | | 6.58 | 86.95 | |
| | 12/18/02 | | 3.59 | 89.94 | |
| | 3/27/03 | | 4.99 | 88.54 | |
| | 9/25/03 | | 8.01 | 85.52 | |
| | 3/24/05 | | 4.25 | 89.28 | SW |
| | 5/13/05 | | 5.11 | 88.42 | S |
| MW-11 | 3/24/05 | 96.28 | --- | --- | |
| | 5/13/05 | | 6.83 | 89.45 | S |

Note

--- -Measurement not taken

All measurement are in feet

MSL -Monitoring wells surveyed by Apex to msl

MW-11 is the responsibility of another consultant

TABLE 3
GROUNDWATER ANALYTICAL DATA
 Rotten Robbie Service Station #40
 2515 Guerneville Road, Santa Rosa, California

| Sample ID | Date | TPH as Gasoline (ug/L) | Diesel (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethyl benzene (ug/L) | Xylenes (ug/L) | Total (ug/L) | MTBE (ug/L) | DiPE (ug/L) | Five Fuel Oxygenates (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | 1,2-DCA (ug/L) | EDB (ug/L) |
|-----------|----------|------------------------|---------------|----------------|----------------|----------------------|----------------|--------------|-------------|-------------|-----------------------------|-------------|-------------|------------|----------------|------------|
| MW-1 | 10/27/90 | ND | ND | 1.6 | 4.4 | 1.0 | 4.0 | — | — | — | — | — | — | — | — | — |
| | 3/21/90 | 140 | 280 | 20 | 0.30 | 1.9 | 1.4 | — | — | — | — | — | — | — | — | — |
| | 6/13/90 | 420 | ND | 93 | 5.5 | 8.4 | 11 | — | — | — | — | — | — | — | — | — |
| | 9/18/90 | 170 | ND | 28 | 1.3 | 2.5 | 4.9 | — | — | — | — | — | — | — | — | — |
| | 12/20/90 | ND | 60 | 8.9 | 0.40 | 1.0 | 0.90 | — | — | — | — | — | — | — | — | — |
| | 3/20/91 | 91 | ND | 11 | ND | 2.0 | 1.0 | — | — | — | — | — | — | — | — | — |
| | 6/19/91 | 89 | ND | 23 | 1.6 | 3.4 | 5.3 | — | — | — | — | — | — | — | — | — |
| | 9/26/91 | 120 | ND | 36 | ND | 11 | 9.7 | — | — | — | — | — | — | — | — | — |
| | 12/30/91 | 78 | ND | 0.80 | ND | ND | ND | — | — | — | — | — | — | — | — | — |
| | 3/18/92 | ND | — | 2.8 | ND | ND | ND | — | — | — | — | — | — | — | — | — |
| | 6/17/92 | ND | ND | 11 | ND | 1.6 | 1.5 | — | — | — | — | — | — | — | — | — |
| | 9/24/92 | 210 | — | 16 | 0.9 | 1.9 | 2.5 | — | — | — | — | — | — | — | — | — |
| | 12/10/92 | 220 | — | 7.4 | ND | 1.6 | 2.2 | — | — | — | — | — | — | — | — | — |
| | 3/9/93 | 190 | — | 2.4 | ND | 1.0 | 1.2 | — | — | — | — | — | — | — | — | — |
| | 9/16/93 | 280 | — | 37 | 3.5 | 6.8 | 8.8 | — | — | — | — | — | — | — | — | — |
| | 4/4/94 | 160 | — | 14 | 0.50 | 1.5 | 2.1 | — | — | — | — | — | — | — | — | — |
| | 10/13/94 | 370 | — | 67 | 3.5 | 5.8 | 10 | — | — | — | — | — | — | — | — | — |
| | 4/18/95 | 380 | — | 59 | 3.0 | 2.6 | 9.2 | — | — | — | — | — | — | — | — | — |
| | 10/6/95 | 1,100 | — | 220 | 5.8 | 9.3 | 21 | — | — | — | — | — | — | — | — | — |
| | 2/7/96 | 200 | — | 54 | ND | 1.3 | 3.4 | 120 | — | — | — | — | — | — | — | — |
| | 5/1/97 | 1,200 | — | 240 | 8.1 | 14 | 34 | 130 | — | — | — | — | — | — | — | — |
| | 12/3/97 | 540 | — | 130 | 1.3 | 4.3 | 7.1 | 210 | — | — | — | — | — | — | — | — |
| | 3/17/98 | 320 | — | 89 | 0.69 | 3.0 | 3.7 | 230 | — | — | — | — | — | — | — | — |
| | 6/10/98 | 7,000 | — | 2,500 | 71 | 140 | 390 | 130 | — | — | — | — | — | — | — | — |
| | 9/30/98 | 1,700 | — | 790 | 9.6 | 17 | 49 | 340 | — | — | — | — | — | — | — | — |
| | 3/16/99 | 970 | — | 300 | 8.6 | 5.5 | 20 | 210 | — | — | — | — | — | — | — | — |
| | 11/2/99 | 760 | — | 190 | <2.5 | 5.6 | 11 | 130 | — | — | — | — | — | — | — | — |
| | 6/16/00 | 1,100 | — | 330 | 6.8 | 10 | 22 | 260 | — | — | — | — | — | — | — | — |
| | 10/3/00 | 2,000 | — | 480 | 8.1 | 45 | 41 | 240 | — | — | — | — | — | — | — | — |
| | 1/9/01 | 780 | — | 140 | 1.8 | 2.7 | 12 | 210 | — | — | — | — | — | — | — | — |
| | 7/12/01 | 2,500 | — | 860 | 25 | 120 | 230 | — | — | — | — | — | — | — | — | — |
| | 1/4/02 | 990 | — | 130 | 4.0 | 2.1 | 11 | 290 | — | — | — | — | — | — | — | — |
| | 6/1/02 | 2,600 | — | 790 | 13 | 36 | 64 | 290 | — | — | — | — | — | — | — | — |
| | 12/18/02 | 2,300 | — | 550 | <10 | <10 | <20 | 340 | — | — | — | — | — | — | — | — |
| | 3/27/03 | 2,700 | 380 | 810 | 48 | 8.6 | 41 | 460 | — | — | — | — | — | — | — | — |
| | 9/25/03 | 3,900 | — | 1,300 | <12.5 | 18 | <25 | 310 | — | — | — | — | — | — | — | — |
| | 3/24/05 | 3,200 | — | 320 | 3.4 | 17 | 27 | 59 | 1.6 | <0.50 | <0.50 | 660 | 600 | <0.50 | <0.50 | <0.50 |
| | 5/13/05 | 4,300 | — | 680 | 12 | 100 | 120 | 74 | 2.0 | <0.50 | <0.50 | — | — | — | — | — |

TABLE 3
GROUNDWATER ANALYTICAL DATA
 Rotten Robbie Service Station #40
 2515 Guerneville Road, Santa Rosa, California

TABLE 3
GROUNDWATER ANALYTICAL DATA
Rotten Roble Service Station #40
2515 Guerneville Road, Santa Rosa, California

| Sample ID | Date | TPH ss | | Benzene | Toluene | Ethyl benzene | Xylenes | Total | Five Fuel Oxygenates | | | 1,2-DCA | EDB |
|-----------|----------|-----------------|---------------|---------|---------|---------------|---------|--------|----------------------|------------|-------------|-------------|--------|
| | | Gasoline (ug/L) | Diesel (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | MTBE (ug/L) | DPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | (ug/L) |
| MW-4 | 3/9/93 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 9/16/93 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 4/4/94 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 10/13/94 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 4/18/95 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 10/6/95 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 2/7/96 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 12/3/97 | <50 | — | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | 20 | — | — | — | — |
| | 5/1/97 | <50 | — | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | — | — | — | — |
| | 3/17/98 | 75 | — | 8.5 | <0.50 | <0.50 | <0.50 | <0.50 | 480 | — | — | — | — |
| | 9/30/98 | <50 | — | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 14 | — | — | — | — |
| | 3/16/99 | 140 | — | 25 | 7.0 | 4.8 | 11 | 14 | — | — | — | — | — |
| | 11/2/99 | <50 | — | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 5.0 | — | — | — | — |
| | 1/9/01 | <50 | — | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 5.4 | — | — | — | — |
| | 1/4/02 | <50 | — | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | — | — | — | — |
| | 6/11/02 | <50 | — | 5.5 | <0.50 | <0.50 | <0.50 | <0.50 | 14 | — | — | — | — |
| | 12/18/02 | <50 | — | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | — | — | — | — |
| | 3/27/03 | <50 | — | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | — | — | — | — |
| | 9/25/03 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 3/24/05 | — | — | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | — | — | — | <0.50 | <0.50 |
| | 5/13/05 | <50 | — | — | — | — | — | — | — | — | — | — | <0.50 |
| MW-5 | 6/13/90 | 4,400 | ND | 420 | 490 | 110 | 550 | — | — | — | — | — | — |
| | 9/18/90 | 10,100 | ND | 2,600 | 450 | 260 | 800 | — | — | — | — | — | — |
| | 12/20/90 | 3,200 | ND | 460 | 130 | 51 | 180 | — | — | — | — | — | — |
| | 3/20/91 | 8,800 | ND | 1,700 | 670 | 170 | 870 | — | — | — | — | — | — |
| | 6/19/91 | 22,000 | 370 | 4,000 | 1,900 | 460 | 2,500 | — | — | — | — | — | — |
| | 9/26/91 | 21,000 | ND | 6,400 | 2,300 | 780 | 3,400 | — | — | — | — | — | — |
| | 12/30/91 | 8,700 | — | 2,900 | 740 | 260 | 960 | — | — | — | — | — | — |
| | 3/18/92 | 4,100 | — | 1,100 | 300 | 120 | 480 | — | — | — | — | — | — |
| | 6/17/92 | 3,000 | — | 1,800 | 410 | 280 | 610 | — | — | — | — | — | — |
| | 9/24/92 | 5,400 | — | 1,800 | 410 | 240 | 600 | — | — | — | — | — | — |
| | 12/10/92 | 6,600 | — | 1,700 | 330 | 170 | 580 | — | — | — | — | — | — |
| | 3/6/93 | 5,200 | — | 1,300 | 210 | 120 | 530 | — | — | — | — | — | — |
| | 9/16/93 | 7,600 | — | 3,400 | 380 | 310 | 1,100 | — | — | — | — | — | — |
| | 4/4/94 | 5,100 | — | 2,000 | 110 | 210 | 510 | — | — | — | — | — | — |
| | 10/13/94 | 5,900 | — | 1,600 | 65 | 150 | 420 | — | — | — | — | — | — |
| | 4/18/95 | 26,000 | — | 3,500 | 140 | 410 | 940 | — | — | — | — | — | — |
| | 10/6/95 | 18,000 | — | 2,800 | 57 | 230 | 540 | — | — | — | — | — | — |
| | 2/7/96 | 7,100 | — | 2,300 | ND | 160 | 230 | 82 | — | — | — | — | — |
| | 5/1/97 | 12,000 | — | 2,300 | 60 | 290 | 300 | 260 | — | — | — | — | — |
| | 12/3/97 | 4,700 | — | 3,100 | 24 | 130 | 280 | 440 | — | — | — | — | — |
| | 3/17/98 | 9,300 | — | 3,100 | 64 | 190 | 280 | 490 | — | — | — | — | — |
| | 6/10/98 | 11,000 | — | 3,700 | 160 | 260 | 380 | 390 | — | — | — | — | — |
| | 9/30/98 | 9,800 | — | 2,700 | 75 | 240 | 290 | 470 | — | — | — | — | — |
| | 3/16/99 | 9,600 | — | 3,500 | 59 | 300 | 300 | 490 | — | — | — | — | — |
| | 11/2/99 | 7,300 | — | 2,600 | 25 | 140 | 130 | 440 | — | — | — | — | — |
| | 6/16/00 | 14,000 | — | 5,900 | 110 | 420 | 460 | 630 | — | — | — | — | — |
| | 10/3/00 | 5,000 | — | 1,500 | 20 | 76 | 62 | 520 | — | — | — | — | — |
| | 1/8/01 | 4,600 | — | 1,400 | 16 | 110 | 120 | 580 | — | — | — | — | — |
| | 7/12/01 | 8,700 | — | 3,800 | 66 | 260 | 300 | 650 | — | — | — | — | — |
| | 1/4/02 | 7,100 | — | 2,200 | <50 | 170 | 140 | 650 | — | — | — | — | — |
| | 6/11/02 | 14,000 | — | 5,400 | 160 | 430 | 490 | 740 | — | — | — | — | — |
| | 12/16/02 | 4,100 | — | 1,700 | <12.5 | <25 | 660 | — | — | — | — | — | — |
| | 3/27/03 | 7,000 | — | 3,100 | <50 | 120 | 990 | — | — | — | — | — | — |
| | 9/25/03 | 8,300 | — | 5,000 | 40 | 290 | 84 | 640 | — | — | — | — | — |
| | 3/24/05 | 5,800 | — | 1,100 | 64 | 100 | 110 | 160 | — | — | — | — | — |
| | 5/13/05 | 9,300 | — | 1,800 | 400 | 600 | 170 | 600 | <2.5 | <2.5 | <2.5 | 750 | 710 |

TABLE 3
GROUNDWATER ANALYTICAL DATA
Rotten Robbie Service Station #40
2515 Guerneville Road, Santa Rosa, California

| Sample ID | Date | Gasoline (ug/L) | TPH as Diesel (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethyl benzene (ug/L) | Total Xylenes (ug/L) | MTBE (ug/L) | DPE (ug/L) | Five Fuel Oxygenates (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | 1,2-DCA (ug/L) | EDB (ug/L) |
|-----------|-----------|-----------------|----------------------|----------------|----------------|----------------------|----------------------|-------------|------------|-----------------------------|-------------|-------------|------------|----------------|------------|
| MW-6 | 6/13/90 | 41000 | — | 12000 | 2000 | 1000 | 3100 | — | — | — | — | — | — | — | — |
| | 9/18/90 | 17300 | 8700 | 610 | 260 | 91 | 1300 | — | — | — | — | — | — | — | — |
| | 12/20/90 | 5100 | 710 | 93 | 220 | 480 | 900 | — | — | — | — | — | — | — | — |
| | 3/20/91 | 11000 | 4800 | 160 | 480 | 1700 | 3300 | — | — | — | — | — | — | — | — |
| | 6/19/91 | 25000 | 6600 | 750 | 720 | 2500 | 4700 | — | — | — | — | — | — | — | — |
| | 9/26/91 | 14000 | 5400 | 920 | — | — | — | — | — | — | — | — | — | — | — |
| | 12/30/91 | 22000 | 2800 | 1100 | 1500 | — | — | — | — | — | — | — | — | — | — |
| | 3/18/92 | 2400 | 750 | ND | 180 | 1400 | — | — | — | — | — | — | — | — | — |
| | 6/17/92 | 6100 | 3300 | ND | 1200 | 2100 | — | — | — | — | — | — | — | — | — |
| | 9/24/92 | 19000 | 3700 | 450 | 1500 | 740 | 1500 | — | — | — | — | — | — | — | — |
| | 12/10/92 | 13000 | 2100 | 190 | — | 120 | 160 | — | — | — | — | — | — | — | — |
| | 3/9/93 | 2700 | 590 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 9/16/93 | 2900 | 990 | 59 | 180 | 280 | — | — | — | — | — | — | — | — | — |
| | 4/4/94 | 1800 | 100 | 2.2 | 34 | — | — | — | — | — | — | — | — | — | — |
| | 10/13/94 | 2700 | 680 | 19 | 100 | 230 | — | — | — | — | — | — | — | — | — |
| | 4/18/95 | 1400 | 100 | 2.0 | 10 | 270 | — | — | — | — | — | — | — | — | — |
| | 10/6/95 | 5600 | 820 | 18 | 350 | — | — | — | — | — | — | — | — | — | — |
| | 2/7/96 | 420 | 15 | ND | 8.6 | 0.83 | 17 | — | — | — | — | — | — | — | — |
| | 5/1/97 | 470 | 74 | 20 | 13 | 26 | 21 | — | — | — | — | — | — | — | — |
| | 12/3/97 | 220 | 36 | 0.73 | 3.8 | 9.4 | 14 | — | — | — | — | — | — | — | — |
| | 3/17/98 | 72 | 75 | <0.50 | <0.50 | <0.50 | 340 | — | — | — | — | — | — | — | — |
| | 9/30/98 | 1800 | 390 | 11 | 57 | 71 | 46 | — | — | — | — | — | — | — | — |
| | 3/16/99 | 120 | 190 | 3.1 | 0.89 | 2.9 | 140 | — | — | — | — | — | — | — | — |
| | 11/2/99 | 680 | 180 | 5.0 | 16 | 13 | 21 | — | — | — | — | — | — | — | — |
| | 6/16/00 | 450 | 69 | <2.5 | 6.9 | 6.1 | 420 | — | — | — | — | — | — | — | — |
| | 10/3/00 | 550 | 120 | 2.7 | 9.2 | 6.0 | 29 | — | — | — | — | — | — | — | — |
| | 1/9/01 | 280 | 63 | 2.0 | 6.4 | 6.6 | 74 | — | — | — | — | — | — | — | — |
| | 7/12/01 | 420 | 65 | <2.5 | 6.2 | 6.1 | 74 | — | — | — | — | — | — | — | — |
| | 1/4/02 | 190 | 87 | <0.50 | 0.97 | <0.50 | 49 | — | — | — | — | — | — | — | — |
| | 6/1/02 | <250 | 5.4 | <2.5 | <2.5 | <5.0 | 400 | — | — | — | — | — | — | — | — |
| | 12/18/02 | 320 | 120 | <2.5 | <2.5 | <5.0 | 100 | — | — | — | — | — | — | — | — |
| | 3/27/03 | <250 | <2.5 | <2.5 | <5.0 | 200 | — | — | — | — | — | — | — | — | — |
| | 9/25/03 | 530 | <1.0 | <1.0 | <2.0 | 16 | — | — | — | — | — | — | — | — | — |
| | 3/24/05 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 12 | <0.50 | <0.50 | <0.50 | <0.50 | 6.7 | <0.50 | 5.2 | <0.50 |
| | 5/13/05 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | — | — | — | — | — | — | — | — | — |
| MW-7 | 3/9/93 | ND | — | ND | — | — | — | — | — | — | — | — | — | — | — |
| | 9/16/93 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 4/4/94 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 10/13/94 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 4/18/95 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 10/6/95 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Destroyed | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

APPENDIX A

APEX STANDARD OPERATING PROCEDURES

APEX ENVIROTECH, INC.
STANDARD OPERATING PROCEDURES
Quarterly Monitoring Reports

SOP – 4
SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES

Sample identification and chain-of-custody procedures ensure sample integrity as well as document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, other pertinent field observations also recorded on the field excavation or boring logs.

Chain-of-custody forms are used to record possession of the sample from time of collection to arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s), and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

SOP – 5
LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at method-specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

- 1 Participation in state and federal laboratory accreditation/certification programs;
- 2 Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
- 3 Standard operating procedures describing routine and periodic instrument maintenance;
- 4 "out-of-Control"/Corrective Action documentation procedures; and,
- 5 Multi-level review of raw data and client reports

SOP – 7
GROUNDWATER PURGING AND SAMPLING

Prior to water sampling, each well is purged by evacuating a minimum of three wetted well-casing volumes of groundwater. When required, purging will continue until either the discharge water temperature, conductivity, or pH stabilize, a maximum of ten wetted-casing volumes of groundwater have been recovered, or the well is bailed dry.

When practical, the groundwater sample should be collected when the water level in the well recovers to at least 80 percent of its static level.

The sampling equipment consists of either a "Teflon" bailer, PVC bailer, or stainless steel bladder pump with a "Teflon" bladder. If the sampling system is dedicated to the well, then the bailer is usually "Teflon," but the bladder pump is PVC with a polypropylene bladder. In general and depending on the intended laboratory analysis, 40-milliliter glass, volatile organic analysis (VOA) vials, with "Teflon" septa, are used as sample containers.

SOP – 12
MEASURING LIQUID LEVELS USING WATER LEVEL METER OR INTERFACE PROBE

Field equipment used for liquid-level gauging typically includes the measuring instrument (water-level meter or interface probe and product bailer(s)) The field kit also includes cleaning supplies (buckets, solution, spray bottles, and deionized water) to be used in cleaning the equipment between wells.

Prior to measurements, the instrument tip is lowered into the well until it touches bottom. Using the previously established top-of-casing or top-of-box (i.e., wellhead vault) point, the probe cord (or halyard) is marked and a measuring tape (graduated in hundredths of a foot) is used to determine the distance between the probe end and the marking on the cord. This measurement is then recorded on the liquid-level data sheet as the "Measured Total Depth" of the well.

When necessary in using the interface probe to measure liquid levels, the probe is first electrically grounded to either the metal stove pipe or another metal object nearby. When no ground is available, reproducible measurements can be obtained by clipping the ground lead to the handle of the interface probe case.

The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a steady tone. In either case, this is the depth-to-water (DTW) indication of the DTW measurement is made accordingly. The steady tone indicates floating liquid hydrocarbons (FLH). In this case, the depth-to-product (DTP) indication and the DTP measurement is made accordingly.

The process of lowering and raising the probe must be repeated several times to ensure accurate measurements. The DTW and DTP measurements are recorded on the liquid-level data sheet. When FLH are indicated by the probe's response, a product bailer is lowered partially through the FLH water interface to confirm the FLH thickness, particularly in cases where the FLH layer is quite thin. This measurement is recorded on the data sheet as "FLH thickness."

In order to avoid cross-contamination of wells during the liquid-level measurement process, wells are measured in the order of "clean" to "dirty" (where such information is available). In addition, all measurement equipment is cleaned with solution and thoroughly rinsed with deionized water before use, between measurements in respective wells, and at the completion of the day's use.

APPENDIX B

FIELD DATA SHEETS



Groundwater Level Data Sheet

Project ROB01.001
Location Santa Rosa, CA
Date 5/13/05
Recorded By RCM

Well Volume Calculation:
 $(2'' \times 0.16) \times (4'' \times 0.65)$



Monitoring Data

Project:

Project Number: ROBO1.001

Date: 5/13/05

Recorded By: Ron

| WELL | TIME | TEMP deg F | pH | COND. (μ S/cm) | DISSOLVED OXYGEN | TOTAL VOLUME REMOVED | COMMENTS/OBSERVATIONS |
|-------|------|---------------|-----|------------------------|---------------------|----------------------------|-----------------------|
| MN-1 | 1212 | 21.9 | 6.5 | 883 | | 15 | 1.5 ppm odor |
| | 1222 | 21.0 | 6.7 | 720 | | 30 | |
| ✓ | 1232 | 20.2 | 6.7 | 133 | | 45 | Sampled @ 1525 |
| MN-8 | 1334 | 20.1 | 6.9 | 497 | | 2 | odor & sheen |
| | 1338 | 19.6 | 6.7 | 419 | | 4 | |
| ✓ | 1342 | 19.2 | 6.7 | 175 | | 6 | sampled @ 1535 |
| MN-5 | 1356 | 20.2 | 6.9 | 161 | | 7.50 | H.S. ppm odor |
| | 1401 | 19.8 | 7.0 | 256 | | 15 | |
| ✓ | 1406 | 19.8 | 7.0 | 177 | | 22 | sampled @ 1550 |
| MN-11 | 1420 | 20.6 | 7.1 | 197 | | 2 | |
| | 1426 | 20.1 | 7.0 | 67 | | 4.25 | |
| ✓ | 1431 | 19.9 | 7.1 | 217 | | 6.50 | sampled @ 1600 |



Monitoring Data

Project: Rotten Robbie #40
 Project Number: ROBOT-001
 Date: 5/13/05
 Recorded By: PBM

| WELL | TIME | TEMP (deg F) | pH | COND. (µS/cm) | DISSOLVED OXYGEN | TOTAL VOLUME REMOVED | COMMENTS/OBSERVATIONS |
|------|------|--------------|-----|---------------|------------------|----------------------|-----------------------|
| MW-2 | 1015 | 18.9 | 6.6 | 515 | 9 | 1.5 ppm | |
| | 1021 | 19.0 | 6.5 | 480 | 18 | | |
| | 1027 | 19.0 | 6.5 | 487 | 27 | | |
| MW-3 | 1036 | 19.0 | 6.7 | 375 | 10 | | |
| | 1041 | 19.0 | 6.7 | 395 | 20 | | |
| | 1046 | 19.1 | 6.7 | 635 | 30 | | |
| MW-6 | 1059 | 18.3 | 6.6 | 467 | 8 | | |
| | 1103 | 17.7 | 6.5 | 451 | 16 | | |
| | 1107 | 17.5 | 6.5 | 365 | 24 | | |
| MW-4 | 1138 | 19.0 | 6.5 | 490 | 8 | | |
| | 1142 | 18.9 | 6.5 | 525 | 17 | | |
| | 1146 | 18.5 | 6.5 | 450 | 25 | | |
| | | | | | | | samp bld @ 1515 |

APPENDIX C

**LABORATORY ANALYTICAL REPORT AND
CHAIN-OF-CUSTODY FORM**



ANALYTICAL LLC

**2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4808
Fax: 530.297.4808**

Lab No. 4376

Page 8 of 10

Chain-of-Custody Record and Analysis Request



Report Number : 43796

Date : 5/23/2005

Rebekah Westrup
Apex Envirotech Inc.
11244 Pyrites Way
Gold River, CA 95670-4481

Subject : 8 Water Samples
Project Name : Rotten Robbie Station #40
Project Number : ROB01.001-QM

Dear Ms. Westrup,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Report Number : 43796

Date : 5/23/2005

Subject : 8 Water Samples
Project Name : Rotten Robbie Station #40
Project Number : ROB01 001-QM

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with samples MW-2, MW-3, MW-4, MW-11, MW-5 for the analyte Benzene were affected by the analyte concentrations already present in the un-spiked sample

Approved By:

A handwritten signature in black ink that reads "Joe Kiff". The signature is fluid and cursive, with "Joe" on the left and "Kiff" on the right, enclosed in a small circle.

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800



Report Number : 43796

Date : 5/23/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-1

Matrix : Water

Lab Number : 43796-01

Sample Date : 5/13/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-------------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | 680 | 2 5 | ug/L | EPA 8260B | 5/20/2005 |
| Toluene | 12 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethylbenzene | 100 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Total Xylenes | 120 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Methyl-t-butyl ether (MTBE) | 74 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Diisopropyl ether (DIPE) | 2.0 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-Butanol | 600 | 5.0 | ug/L | EPA 8260B | 5/19/2005 |
| TPH as Gasoline | 4300 | 250 | ug/L | EPA 8260B | 5/20/2005 |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene - d8 (Surr) | 103 | | % Recovery | EPA 8260B | 5/19/2005 |
| 4-Bromofluorobenzene (Surr) | 104 | | % Recovery | EPA 8260B | 5/19/2005 |
| Dibromofluoromethane (Surr) | 101 | | % Recovery | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane-d4 (Surr) | 90.7 | | % Recovery | EPA 8260B | 5/19/2005 |

Approved By: 
Joel Kiff



Report Number : 43796

Date : 5/23/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-2

Matrix : Water

Lab Number : 43796-02

Sample Date : 5/13/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-------------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Methyl-t-butyl ether (MTBE) | 0.59 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/19/2005 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene - d8 (Surr) | 104 | | % Recovery | EPA 8260B | 5/19/2005 |
| 4-Bromofluorobenzene (Surr) | 97.7 | | % Recovery | EPA 8260B | 5/19/2005 |
| Dibromofluoromethane (Surr) | 106 | | % Recovery | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane-d4 (Surr) | 97.8 | | % Recovery | EPA 8260B | 5/19/2005 |

Approved By: Joel Kiff



Report Number : 43796

Date : 5/23/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-3

Matrix : Water

Lab Number : 43796-03

Sample Date : 5/13/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-------------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Methyl-t-butyl ether (MTBE) | 1.9 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/19/2005 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene - d8 (Surr) | 104 | | % Recovery | EPA 8260B | 5/19/2005 |
| 4-Bromofluorobenzene (Surr) | 98.2 | | % Recovery | EPA 8260B | 5/19/2005 |
| Dibromofluoromethane (Surr) | 106 | | % Recovery | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane-d4 (Surr) | 99.0 | | % Recovery | EPA 8260B | 5/19/2005 |

Approved By: Joel Kiff



Report Number : 43796

Date : 5/23/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-4

Matrix : Water

Lab Number : 43796-04

Sample Date : 5/13/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-------------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Methyl-t-butyl ether (MTBE) | 0.90 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/19/2005 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene - d8 (Surr) | 104 | | % Recovery | EPA 8260B | 5/19/2005 |
| 4-Bromofluorobenzene (Surr) | 97.4 | | % Recovery | EPA 8260B | 5/19/2005 |
| Dibromofluoromethane (Surr) | 107 | | % Recovery | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane-d4 (Surr) | 99.0 | | % Recovery | EPA 8260B | 5/19/2005 |

Approved By: Joel Kiff



Report Number : 43796

Date : 5/23/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-5

Matrix : Water

Lab Number : 43796-08

Sample Date : 5/13/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-------------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | 1800 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene | 400 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Ethylbenzene | 160 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Total Xylenes | 600 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Methyl-t-butyl ether (MTBE) | 170 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Diisopropyl ether (DIPE) | < 2.5 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Ethyl-t-butyl ether (ETBE) | < 2.5 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-amyl methyl ether (TAME) | < 2.5 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-Butanol | 710 | 15 | ug/L | EPA 8260B | 5/19/2005 |
| TPH as Gasoline | 9300 | 250 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane | < 2.5 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dibromoethane | < 2.5 | 2.5 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene - d8 (Surr) | 104 | | % Recovery | EPA 8260B | 5/19/2005 |
| 4-Bromofluorobenzene (Surr) | 100 | | % Recovery | EPA 8260B | 5/19/2005 |
| Dibromofluoromethane (Surr) | 104 | | % Recovery | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane-d4 (Surr) | 95.6 | | % Recovery | EPA 8260B | 5/19/2005 |

Approved By:  Joel Kiff



Report Number : 43796

Date : 5/23/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-6

Matrix : Water

Lab Number : 43796-05

Sample Date : 5/13/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-------------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Methyl-t-butyl ether (MTBE) | 9.1 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Tert-Butanol | 5.2 | 5.0 | ug/L | EPA 8260B | 5/20/2005 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/20/2005 |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Toluene - d8 (Surr) | 101 | | % Recovery | EPA 8260B | 5/20/2005 |
| 4-Bromofluorobenzene (Surr) | 106 | | % Recovery | EPA 8260B | 5/20/2005 |
| Dibromofluoromethane (Surr) | 112 | | % Recovery | EPA 8260B | 5/20/2005 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | % Recovery | EPA 8260B | 5/20/2005 |

Approved By: Joel Kiff



Report Number : 43796

Date : 5/23/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-8

Matrix : Water

Lab Number : 43796-06

Sample Date : 5/13/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-------------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | 79 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Toluene | 8.7 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Ethylbenzene | 210 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Total Xylenes | 84 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Methyl-t-butyl ether (MTBE) | 1.2 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/20/2005 |
| TPH as Gasoline | 5400 | 150 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Toluene - d8 (Surr) | 94.8 | | % Recovery | EPA 8260B | 5/20/2005 |
| 4-Bromofluorobenzene (Surr) | 90.9 | | % Recovery | EPA 8260B | 5/20/2005 |
| Dibromofluoromethane (Surr) | 94.9 | | % Recovery | EPA 8260B | 5/20/2005 |
| 1,2-Dichloroethane-d4 (Surr) | 92.5 | | % Recovery | EPA 8260B | 5/20/2005 |

Approved By: Joel Kiff



Report Number : 43796

Date : 5/23/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-11

Matrix : Water

Lab Number : 43796-07

Sample Date : 5/13/2005

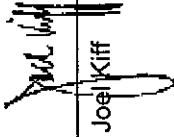
| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-------------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Methyl-t-butyl ether (MTBE) | 4.1 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Diisopropyl ether (DiPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/19/2005 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 |
| Toluene - d8 (Surr) | 102 | | % Recovery | EPA 8260B | 5/19/2005 |
| 4-Bromofluorobenzene (Surr) | 98.1 | | % Recovery | EPA 8260B | 5/19/2005 |
| Dibromofluoromethane (Surr) | 107 | | % Recovery | EPA 8260B | 5/19/2005 |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | % Recovery | EPA 8260B | 5/19/2005 |

Approved By: Joel Kiff

QC Report : Method Blank Data
 Project Name : Rotten Robbie Station #40
 Project Number : ROB01.001-QM

Report Number : 43796
 Date : 5/23/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed | Parameter | Method Reporting Limit | Units | Analysis Method | Date Analyzed | |
|-------------------------------|----------------|------------------------|-----------|-----------------|----------------------------|-------------------------------|------------------------|-----------|-----------------|---------------|-----------|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/20/2005 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/20/2005 | Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/20/2005 | Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/20/2005 |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 |
| Toluene - d8 (Sur) | 101 | % | EPA 8260B | 5/20/2005 | 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/20/2005 | |
| 4-Bromofluorobenzene (Sur) | 94.1 | % | EPA 8260B | 5/20/2005 | Toluene - d8 (Sur) | 98.1 | % | EPA 8260B | 5/20/2005 | | |
| Dibromofluoromethane (Sur) | 103 | % | EPA 8260B | 5/20/2005 | 4-Bromofluorobenzene (Sur) | 85.5 | % | EPA 8260B | 5/20/2005 | | |
| 1,2-Dichloroethane-d4 (Sur) | 102 | % | EPA 8260B | 5/20/2005 | Dibromofluoromethane (Sur) | 101 | % | EPA 8260B | 5/20/2005 | | |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | 1,2-Dichloroethane-d4 (Sur) | 98.3 | % | EPA 8260B | 5/20/2005 | |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| 1,2-Dichloroethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| 1,2-Dibromoethane | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/19/2005 | | | | | | |
| Toluene - d8 (Sur) | 102 | % | EPA 8260B | 5/19/2005 | | | | | | | |
| 4-Bromofluorobenzene (Sur) | 104 | % | EPA 8260B | 5/19/2005 | | | | | | | |
| Dibromofluoromethane (Sur) | 108 | % | EPA 8260B | 5/19/2005 | | | | | | | |
| 1,2-Dichloroethane-d4 (Sur) | 99.4 | % | EPA 8260B | 5/19/2005 | | | | | | | |



Joe Kiff

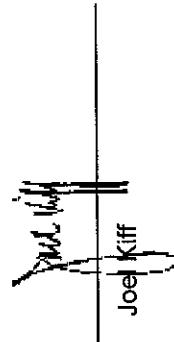
Approved By:

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Project Name : Rotten Robbie Station #40
Project Number : ROB01.001-QM

| Parameter | Spiked Sample | Sample Value | Spike Level | Spiked Sample Value | Duplicate Spiked Sample Value | Units | Analysis Method | Date Analyzed | Spiked Sample Percent Recov. | Duplicate Spiked Sample Percent Recov. | Spiked Sample Percent Diff. | Relative Percent Diff. |
|----------------------|----------------|--------------|-------------|---------------------|-------------------------------|-------|-----------------|---------------|------------------------------|--|-----------------------------|------------------------|
| Benzene | 43800-07 <0.50 | 39.6 | 39.8 | 46.7 | 47.0 | ug/L | EPA 8260B | 5/20/05 | 118 | 118 | 0.208 | 70-130 25 |
| Toluene | 43800-07 1.0 | 39.6 | 39.8 | 46.0 | 45.7 | ug/L | EPA 8260B | 5/20/05 | 113 | 112 | 0.863 | 70-130 25 |
| Tert-Butanol | 43800-07 <5.0 | 198 | 199 | 217 | 222 | ug/L | EPA 8260B | 5/20/05 | 109 | 112 | 2.25 | 70-130 25 |
| Methyl-t-Butyl Ether | 43800-07 <0.50 | 39.6 | 39.8 | 40.4 | 39.7 | ug/L | EPA 8260B | 5/20/05 | 102 | 99.9 | 2.15 | 70-130 25 |
| Benzene | 43796-01 800 | 40.0 | 40.0 | 825 | 820 | ug/L | EPA 8260B | 5/19/05 | 62.1 | 51.3 | 19.0 | 70-130 25 |
| Toluene | 43796-01 12 | 40.0 | 40.0 | 57.7 | 57.9 | ug/L | EPA 8260B | 5/19/05 | 115 | 115 | 0.559 | 70-130 25 |
| Tert-Butanol | 43796-01 600 | 200 | 200 | 804 | 826 | ug/L | EPA 8260B | 5/19/05 | 102 | 113 | 10.2 | 70-130 25 |
| Methyl-t-Butyl Ether | 43796-01 74 | 40.0 | 40.0 | 107 | 108 | ug/L | EPA 8260B | 5/19/05 | 83.0 | 86.4 | 4.03 | 70-130 25 |
| Benzene | 43831-07 <0.50 | 40.0 | 40.0 | 41.5 | 40.9 | ug/L | EPA 8260B | 5/20/05 | 104 | 102 | 1.44 | 70-130 25 |
| Toluene | 43831-07 <0.50 | 40.0 | 40.0 | 45.2 | 44.2 | ug/L | EPA 8260B | 5/20/05 | 113 | 111 | 2.10 | 70-130 25 |
| Tert-Butanol | 43831-07 <5.0 | 200 | 200 | 212 | 215 | ug/L | EPA 8260B | 5/20/05 | 106 | 107 | 1.30 | 70-130 25 |
| Methyl-t-Butyl Ether | 43831-07 <0.50 | 40.0 | 40.0 | 31.8 | 31.9 | ug/L | EPA 8260B | 5/20/05 | 79.5 | 79.7 | 0.220 | 70-130 25 |
| Benzene | 43793-02 <0.50 | 40.0 | 40.0 | 42.2 | 41.4 | ug/L | EPA 8260B | 5/20/05 | 105 | 104 | 1.70 | 70-130 25 |
| Toluene | 43793-02 <0.50 | 40.0 | 40.0 | 40.9 | 40.2 | ug/L | EPA 8260B | 5/20/05 | 102 | 100 | 1.73 | 70-130 25 |
| Tert-Butanol | 43793-02 <5.0 | 200 | 200 | 204 | 202 | ug/L | EPA 8260B | 5/20/05 | 102 | 101 | 1.40 | 70-130 25 |
| Methyl-t-Butyl Ether | 43793-02 160 | 40.0 | 40.0 | 198 | 198 | ug/L | EPA 8260B | 5/20/05 | 94.8 | 93.7 | 1.23 | 70-130 25 |



Approved By: Joe Kiff

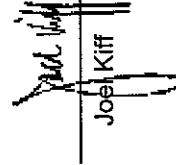
KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Project Name : **Rotten Robbie Station #40**
 Project Number : **ROB01.001-QM**

| Parameter | Spike Level | Units | Analysis Method | Date Analyzed | LCS Percent Recov. | LCS Percent Recov. | LCS Percent Recov. |
|----------------------|-------------|-------|-----------------|---------------|--------------------|--------------------|--------------------|
| Benzene | 40.0 | ug/L | EPA 8260B | 5/20/05 | 121 | 70-130 | |
| Toluene | 40.0 | ug/L | EPA 8260B | 5/20/05 | 115 | 70-130 | |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 5/20/05 | 113 | 70-130 | |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 5/20/05 | 97.9 | 70-130 | |
| | | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 5/19/05 | 102 | 70-130 | |
| Toluene | 40.0 | ug/L | EPA 8260B | 5/19/05 | 118 | 70-130 | |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 5/19/05 | 106 | 70-130 | |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 5/19/05 | 80.6 | 70-130 | |
| | | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 5/20/05 | 94.5 | 70-130 | |
| Toluene | 40.0 | ug/L | EPA 8260B | 5/20/05 | 109 | 70-130 | |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 5/20/05 | 102 | 70-130 | |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 5/20/05 | 74.6 | 70-130 | |
| | | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 5/20/05 | 97.6 | 70-130 | |
| Toluene | 40.0 | ug/L | EPA 8260B | 5/20/05 | 98.4 | 70-130 | |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 5/20/05 | 97.0 | 70-130 | |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 5/20/05 | 80.3 | 70-130 | |



Approved By:

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800



2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Page _____ of _____
Lab No. 4376

Project Contact (Hardcopy or PDF To):

Rebekah Westrupp

Company / Address:

Apex Envirotech, Inc.
Pyrites Wy., Gold River, CA 95670

Phone No.:

916-851-0174

P.O. No.:

ROB01.001-QM

Project Name:

Rotten Robbie Station #40
Project Address:
2515 Guerneville Road, Santa Rosa

California EDF Report? Yes No

Chain-of-Custody Record and Analysis Request

| | | Analysis Request | | | | | | | | | | | |
|--------------------|---------------|--|-----------|--------------|--------|-----|-------|------|------------------|-----|-------|------|-----------|
| | | Chain-of-Custody Record and Analysis Request | | | | | | | | | | | |
| | | Analysis Request | | | | | | | | | | | |
| Sample Designation | Sampling Date | Sampling Time | Container | Preservative | Matrix | SOL | WATER | NONE | HNO ₃ | ICE | AMBER | POLY | SLEEVE |
| MW-1 | 5/30/05 | 1525 | X | X | X | X | X | X | X | X | X | X | 40 ml VOA |
| MW-2 | | 1445 | X | X | X | X | X | X | X | X | X | X | |
| MW-3 | | 1455 | X | X | X | X | X | X | X | X | X | X | |
| MW-4 | | 1515 | X | X | X | X | X | X | X | X | X | X | |
| MW-6 | | 1505 | X | X | X | X | X | X | X | X | X | X | |
| MW-8 | | 1535 | X | X | X | X | X | X | X | X | X | X | |
| MW-11 | | 1600 | X | X | X | X | X | X | X | X | X | X | |
| MW-5 | | 1550 | X | X | X | X | X | X | X | X | X | X | |

Relinquished by: Rebekah Westrupp Date: 5/3/05 Time Received by: 2000

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Remarks: Sample received 2:10 PM 05/05/05 T20 T2-1 count present

Billed to: Kiff Analytical LLC

APPENDIX D

NCRWQCB LETTER DATED DECEMBER 3, 2004

RECEIVED

ROBO1.001



DEC 06 2004

California Regional Water Quality Control Board

North Coast Region

William R. Massey, Chairman



Arnold
Schwarzenegger
Governor

Terry Tamminen
Secretary for
Environmental
Protection

<http://www.swrcb.ca.gov/rwqcb1/>
5550 Skylane Boulevard, Suite A Santa Rosa, California 95403
Phone 1-877-721-9203 Office (707) 576-2220 FAX (707) 523-0135

December 3, 2004

Mr. Tom Robinson
Mission Trail Oil Company
4520 Williams Road
San Jose, CA 95129

Dear Mr. Robinson:

Subject: Comments on Workplan for Installation of Ozone Sparging
Remediation System

File: Rotten Robbie #40, 2515 Guerneville Road, Santa Rosa, Case
No. 1TSR022

Regional Water Board staff have reviewed the July 26, 2004 Workplan for Installation of Ozone Sparging Remediation System prepared by APEX EnviroTech, Inc. for 2515 Guerneville Road in Santa Rosa. The proposal is acceptable with the following comments:

- Please contact Ms. Andrea Jensen at (707) 543-3542 regarding Santa Rosa Fire and Community Development Departments regulatory and permit requirements.
- Ozone sparging does not require a permit from our agency. However, baseline parameters must be determined prior to the onset of ozone injection, which are monitored for during the project. They include dissolved oxygen, ORP, temperature, pH, bromide, bromate, dissolved hexavalent chromium, dissolved vanadium, dissolved selenium and dissolved molybdenum. The dissolved oxygen, pH and ORP shall be measured in the field. The laboratory-reporting limit for hexavalent chromium and bromate should be no higher than 5 and 10 ug/l, respectively.
- The gasoline and MtBE plumes have migrated off site to the south based on the analytical results for groundwater samples collected in MW-11 installed in the medium strip of Guerneville Road for the investigation at 2500 Guerneville Road. Please make arrangement for access to this well and include it in your sampling schedule. You may contact Mr. Brian Wingard with Winzler & Kelly at (707) 523-1010 regarding well access.
- Please submit a map showing the ozone system piping/trench, generator and delivery system pad locations.

California Environmental Protection Agency

- The borings must be logged during ozone sparge well installation. Soil samples for chemical analysis should also be collected from areas of obvious impact, particularly beneath the canopy adjacent to the fuel islands. Soil samples must be preserved using EPA Method 5035.

Please notify me in advance of sparge well installations so I can conduct a site inspection during field activities. If you have any questions, I can be reached at (707) 576-2675.

Sincerely,



Joan Fleck
Engineering Geologist

JEF:clh/l20304_JEF_RottenRobbie

Cc: Fire Inspector Andrea Jensen, Santa Rosa Fire Department
Mr. Brian Wingard, Winzler & Kelly, 495 Tesconi Circle, Santa Rosa, CA
95401-4696
Mr. Kasey Jones, APEX EnviroTech, Inc. 11244 Pyrites Way, Gold River, CA
95670
Mr. Ron Michelson, RM Associates, 16401 Meadow Vista Drive, Suite 102, Pioneer, CA
95666